

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,408
Source: PCT/10
Date Processed by STIC: 10/16/04

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/510,408

DATE: 10/16/2004
TIME: 11:49:07

Input Set : N:\FATIMA\10510408.txt
Output Set: N:\CRF4\10162004\J510408.raw

3 <110> APPLICANT: Jorgensen, Steen Troels
 4 Olsen, Peter Bjarke
 5 Andersen, Jens Tonne
 6 Rasmussen, Michael Dolberg
 8 <120> TITLE OF INVENTION: Improved Bacillus Host Cell
 10 <130> FILE REFERENCE: 10295.204-US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/510,408
 C--> 12 <141> CURRENT FILING DATE: 2004-10-05
 12 <160> NUMBER OF SEQ ID NOS: 191
 14 <170> SOFTWARE: PatentIn version 3.3

ERRORED SEQUENCES

*Does Not Comply
Corrected Diskette Needed*

p.3

20286 <210> SEQ ID NO: 191
 20287 <211> LENGTH: 781
 20288 <212> TYPE: PRT
 20289 <213> ORGANISM: Bacillus licheniformis
 20291 <400> SEQUENCE: 191
 20293 Met Ala Lys Arg Lys Arg Ser Thr Lys Lys Gln Lys Gln Gly Lys
 20294 1 5 10 15
 20297 Lys Arg Ile His Leu Lys Phe Glu Leu Tyr Gly Leu Ile Cys Ile Ala
 20298 20 25 30
 20301 Ile Ser Ile Ile Ala Val Leu Gln Leu Gly Val Ala Gly Gln Thr Phe
 20302 35 40 45
 20305 Ile Tyr Met Phe Arg Phe Phe Ala Gly Glu Trp Phe Ile Leu Cys Leu
 20306 50 55 60
 20309 Leu Gly Leu Phe Leu Thr Gly Leu Ser Leu Phe Trp Lys Lys Lys Thr
 20310 65 70 75 80
 20313 Pro Ser Phe Leu Thr Arg Arg Lys Ala Gly Leu Tyr Cys Ile Ile Ala
 20314 85 90 95
 20317 Ser Met Leu Leu Leu Ser His Val Gln Leu Phe Gln His Leu Thr Glu
 20318 100 105 110
 20321 Arg Gly Met Val Gln Ser Pro Ser Val Ile Gln Asn Thr Trp Glu Leu
 20322 115 120 125
 20325 Phe Leu Met Asp Val Lys Gly Glu Thr Gly Ser Pro Asp Leu Gly Gly
 20326 130 135 140
 20329 Gly Met Ile Gly Ala Leu Leu Phe Ala Ala Ser Tyr Phe Leu Phe Ala
 20330 145 150 155 160
 20333 Ser Ala Gly Ser Lys Ile Ile Ala Val Phe Leu Ile Leu Ile Gly Leu
 20334 165 170 175
 20337 Leu Leu Ile Thr Asp Arg Ser Leu Gln Glu Thr Leu Ile Lys Trp Met
 20338 180 185 190

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20341 Thr Pro Val Ala Ser Phe Met Lys Asn Gln Trp Gln Ala Phe Leu Ala
 20342 195 200 205
 20345 Asp Leu Lys Gln Leu Lys Asn Ser Ser Pro Lys Lys Lys Ser Gly Lys
 20346 210 215 220
 20349 Lys Gln Lys Thr Gln Arg Lys Pro Lys Val Ser Glu Glu Pro Val Gln
 20350 225 230 235 240
 20353 Glu Ala Asp Leu Asp Pro Asp Pro Val Ile Gln Ser Glu Pro Ile Ile
 20354 245 250 255
 20357 Ser Ser Phe Ser Asp Arg Asp Glu Lys Pro Glu Val Gln Ala Tyr Glu
 20358 260 265 270
 20361 Ala Pro Ala Ala Pro Ala Glu Pro Pro Ala Glu Pro Glu Ile Gly Glu
 20362 275 280 285
 20365 Glu Met Gln Ala Ser Gly Ala Pro Glu Ile Thr Phe Thr Glu Leu Glu
 20366 290 295 300
 20369 Asn Lys Asp Tyr Gln Leu Pro Ser Ile Gln Leu Leu Asp Asp Pro Lys
 20370 305 310 315 320
 20373 His Thr Gly Gln Gln Ala Asp Lys Lys Asn Ile Tyr Asp Asn Ala Arg
 20374 325 330 335
 20377 Lys Leu Glu Arg Thr Phe Gln Ser Phe Gly Val Lys Ala Lys Val Thr
 20378 340 345 350
 20381 Gln Val His Leu Gly Pro Ala Val Thr Lys Tyr Glu Val Tyr Pro Asp
 20382 355 360 365
 20385 Val Gly Val Lys Val Ser Lys Ile Val Asn Leu Ser Asp Asp Leu Ala
 20386 370 375 380
 20389 Leu Ala Leu Ala Ala Lys Asp Ile Arg Ile Glu Ala Pro Ile Pro Gly
 20390 385 390 395 400
 20393 Lys Ser Ala Ile Gly Ile Glu Val Pro Asn Ala Glu Val Ala Met Val
 20394 405 410 415
 20397 Ser Leu Lys Glu Val Leu Glu Ser Lys Leu Asn Asp Arg Pro Asp Ala
 20398 420 425 430
 20401 Lys Leu Met Ile Gly Leu Gly Arg Asn Ile Ser Gly Glu Ala Val Leu
 20402 435 440 445
 20405 Ala Glu Leu Asn Lys Met Pro His Leu Leu Val Ala Gly Ala Thr Gly
 20406 450 455 460
 20409 Ser Gly Lys Ser Val Cys Val Asn Gly Ile Ile Thr Ser Ile Leu Met
 20410 465 470 475 480
 20413 Arg Ala Lys Pro His Glu Val Lys Met Met Met Ile Asp Pro Lys Met
 20414 485 490 495
 20417 Val Glu Leu Asn Val Tyr Asn Gly Ile Pro His Leu Leu Ala Pro Val
 20418 500 505 510
 20421 Val Thr Asp Pro Lys Lys Ala Ser Gln Ala Leu Lys Lys Val Val Asn
 20422 515 520 525
 20425 Glu Met Glu Arg Arg Tyr Glu Leu Phe Ser His Thr Gly Thr Arg Asn
 20426 530 535 540
 20429 Ile Glu Gly Tyr Asn Asp Tyr Ile Lys Arg Met Asn Ala Ala Glu Glu
 20430 545 550 555 560
 20433 Ala Lys Gln Pro Glu Leu Pro Tyr Ile Ile Val Ile Val Asp Glu Leu
 20434 565 570 575
 20437 Ala Asp Leu Met Met Val Ala Ser Ser Asp Val Glu Asp Ser Ile Thr

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20438	580	585	590
20441	Arg Leu Ser Gln Met Ala Arg Ala Ala Gly Ile His Leu Ile Ile Ala		
20442	595	600	605
20445	Thr Gln Arg Pro Ser Val Asp Val Ile Thr Gly Val Ile Lys Ala Asn		
20446	610	615	620
20449	Ile Pro Ser Arg Ile Ala Phe Ser Val Ser Ser Gln Thr Asp Ser Arg		
20450	625	630	635
20453	640	645	655
20457	Thr Ile Leu Asp Met Gly Gly Ala Glu Lys Leu Leu Gly Arg Gly Asp		
20458	660	665	670
20461	Ala Phe Leu Ser Asp Glu Glu Val Glu Lys Val Val Asp His Val Ile		
20462	675	680	685
20465	Ser Gln Gln Lys Ala Gln Tyr Gln Glu Glu Met Ile Pro Glu Glu Thr		
20466	690	695	700
20469	Gln Glu Thr Val Ser Glu Val Thr Asp Asp Leu Tyr Asp Glu Ala Val		
20470	705	710	715
20473	720	725	730
20474	735	740	745
20477	Arg Phe Arg Ile Gly Tyr Thr Arg Ala Ala Arg Leu Ile Asp Ala Met		
20478	750	755	760
20481	765	770	775
20482	780	785	790
20485	Val Leu Leu Ser Lys Glu Gln Tyr Glu Glu Leu Ser Ser		
20486	E--> 20492 360	770	775

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/510,408

DATE: 10/16/2004

TIME: 11:49:09

Input Set : N:\FATIMA\10510408.txt

Output Set: N:\CRF4\10162004\J510408.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:20492 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:191